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> NPIC/R-203/66 JULY 1966

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This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the index (MI) for this mission.

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The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

Map base used for derivation of coordinates is the best available among these series: US Air Target Chart, Series 200; AMS; ONC; or DIA JOG, 1:250,000.

The header line for each target contains, reading from left to right, the target name, the geographic coordinates,

the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), and P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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			Target Numbers	
Target	Coordinates	WAC	BE	NPIC
-NORTH VIETNAM- MILITARY INSTALLATIONS				
KEP AIRFIELD BARRACKS & STORAGE 1.1 NM SSE OF KEP AIRFIELD AT UTM XJ326645. AREA CONTAINS 28 BARRACKS, 10 REVETTED STORAGE BUILDINGS, 7 REVETTED VEHICLE/STORAGE. BUILDINGS, 9 REVETTED PROBABLE STORAGE BUILDINGS, AND 1 BUILDING UNDER CONSTRUCTION. ROUTE 1A CONNECTS AREA WITH KEP AIRFIELD. OB 9 VAN/CARGO TRUCKS AND 1 PROBABLE WHIFF RADAR. (SEE ATTACHMENTS 1 AND 2) 25X1D	2122N 10616E	0616		211-H
BASIC SERVICES				
BAC NINH PONTOON BRIDGE SECTIONS 2.8 NM NE OF BAC NINH AT UTM XJ128465. TEN PONTOON BRIDGE SECTIONS OBSERVED ALONG NORTH BANK OF THE SONG GAU (RIVER). ACTIVITY 2 PROBABLE TRUCKS ON THE FERRY LANDING ON SOUTH BANK.	2113N 10605E	0616		206-D1
25X1D		25X1A		
HOANG MAI RR SIDING 0.3 NM WEST OF HOANG MAI AT UTM XJ151501. THREE-TRACK RAIL SIDING IS ON THE HA NOI/ PING-HSIANG RAILROAD. FACILITIES INCLUDE 1 PROBABLE STATION, 3 WAREHOUSE-TYPE BUILDINGS, AND STACKS OF RAILS ALONG THE RIGHT-OF-WAY. ACTIVITY 4 BOX AND 5 GONDOLA CARS AND 1 TRUCK-MOUNTED CRANE. 25X1D	2115N 10606E			206-H1

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Target	Comm	dinates	W. G	Target	Numbers
	Coard	oinates	WAC	BE	NPIC
BAC GIANG PONTOON BRIDGES AT BAC GIANG. TWO PONTOON BRIDGES OBSERVED ACROSS THE SONG THUONG (RIVER) AT UTM XJ233530 AND XJ237523. 25X1D	2116N	10611E	0616		238-D
BAC GIANG PONTOON BRIDGE SECTIONS 2.5 NM NNW OF BAC GIANG AT UTM XJ235575. FOUR PONTOON BRIDGE SECTIONS OBSERVED MOORED TO WEST BANK OF THE SONG THUONG (RIVER). 25X1D STORAGE	2119N	10611E	0616		238-C
AA NOI PETROLEUM PRODUCTS STORAGE THANH AM 3.7 NM NE OF HA NOI AT UTM WJ930295. RAIL-SERVED POL TANK FARM CONTAINS 26 LARGE AND 6 SMALL VERTICAL POL TANKS. A PROBABLE ADMINISTRATION AND SUPPORT AREA IMMEDIATELY NW CONTAINS AT LEAST 30 BUILDINGS. A TRANSSHIPMENT AREA 0.5 NM NW CONTAINS APPROXIMATELY 1,000 U.S. 55-GAL-TYPE POL DRUMS. (SEE ATTACHMENT 3)	2103N	10553E	25X1A		114-D:
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Target	Coordinates	WAC	Target	Numbers
·	Coordinates	"AC	BE	NPIC
-NORTH VIETNAM- MILITARY INSTALLATIONS				
HA NOI SAM STORAGE/ASSEMBLY & BKS GIA LAM IMMEDIATELY WNW OF HANOI/GIA LAM AIRFIELD. AREA CONTAINS AT LEAST 38 BARRACKS, 3 ADMINISTRATION, 19 MAINTENANCE, 2 LARGE IRREGULARLY SHAPED PROBABLE MESSHALL, 26 SUPPORT/STORAGE, AND NUMEROUS SMALL SUPPORT BUILDINGS. OB 6 SA-2 MISSILE LAUNCHERS (3 IN CLEARED AREA, 3 ON ROAD), AT LEAST 3 CANVAS-COVERED SA-2 MISSILE TRANSPORTERS, 1 PROBABLE SA-2 MISSILE TRANSPORTER, 7 SA-2 MISSILE CANISTER TRANSPORTERS, 6 VANS, 1 PROBABLE VAN, 3 SETS OF BOGIE WHEELS, AT LEAST 23 CARGO TRUCKS, 1 POL TANK TRUCK, 3 TRUCK-MOUNTED CRANES, 1 MOBILE GENERATOR, AND SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT. ACTIVITY 1 LOCOMOTIVE, 23 FLATBED RAIL CARS, AND 2 LARGE BUSES. (SEE ATTACHMENTS 4-6)	2102N 10553E	0616		114-A
HA NOI ARMY SUPPLY DEPOT NNE 4.5 NM NE OF HA NOI RAILROAD CLASSIFICATION YARD AT UTM WJ930295. AREA CONTAINS AT LEAST 38 LARGE 2,000-GAL POL STORAGE TANKS, NUMEROUS WIRE CABLE SPOOLS, AND STACKS OF UNIDENTIFIED MATERIAL. OB 26 CARGO TRUCKS, 1 POL TANK TRUCK, AND 3 TRUCK-MOUNTED CRANES. 25X1D	2104N 10553E	0616		114-D

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T .		C	dinates	WAC	Target Num	
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INDUSTRY				25X1A		
BAC GIANG CHEMICAL FERTILIZ 2 NM NORTH OF BAC GIANG. PLANT CONTAINS A BOILERHO BUILDING, 2 WET GASOMETER A COAL PREPARATION BUILDI INDUSTRIAL BUILDINGS, A L AN EXTENSIVE CONVEYOR SYS SHIPMENT PIER WITH 2 FIXE SUPPORT/STORAGE BUILDINGS WORKERS HOUSING AREA IMME CONTAINS APPROXIMATELY 50 (SEE ATTACHMENT 7)	USE, A COMPRESSOR S, 2 PRILLING TOWERS NG, 22 MULTISTORY ATTICE FLARE TOWER, TEM, A COAL TRANS- D CRANES, AND 36 A PROBABLE DIATELY SOUTH	2118N	10612E			238-C
BASIC SERVICES				25X1A		
HA NOI RR CAR REPAIR SHOPS 2.8 NM NE OF HA NOI. FACILITIES INCLUDE A CLAS REPAIR YARD, A CAR REPAIR SEVERAL LARGE MULTISECTIO ADMINISTRATION AREA WITH A STORAGE AREA WITH 11 WA WYE, AND NUMEROUS OPEN ST	SIFICATION YARD, A SHOP AREA WITH NAL SHOPS, AN 26 LARGE BUILDINGS, AREHOUSES, A TURNING	2103N	10553E			114-C
ACTIVITY AT LEAST 3 LC 44 BOX, 45 TANK, AND 12 G LEAST 16 CARGO TRUCKS, 2 TANK TRAILER, AND 3 TRUCK HA NOI/PING-HSIANG RR SEGME RAILROAD OBSERVED OPERATI XJ340680 TO XJ302595.	COMOTIVES, 27 FLAT, CONDOLA CARS, AT CARGO TRAÍLERS, 1 PO CHOUNTED CRANES. 25X1D		10627E	0616		211-A

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THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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Target	Coor	dinates	WAC L	Target Numbers	
3			""	BE	NPIC
-NORTH VIETNAM-					
MISSILES "					
HA NOI SAM STORAGE/ASSEMBLY & BKS GIA LAM OB 6 SA-2 MISSILE LAUNCHERS (3 IN CLEARED AREA, 3 ON ROAD), AT LEAST 3 CANVAS-COVERED SA-2 MISSILE TRANSPORTERS, 1 PROBABLE SA-2	2102N	10553E	0.616		114~A
MISSILE TRANSPORTER, 7 SA-2 MISSILE CANISTER TRANSPORTERS, 6 VANS, 1 PROBABLE VAN, 3 SETS OF BOGIE WHEELS, AT LEAST 23 CARGO TRUCKS, 1 POL TANK TRUCK, 3 TRUCK-MOUNTED CRANES, 1 MOBILE GENERATOR, AND SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT.					
ACTIVITY 1 LOCOMOTIVE, 23 FLATBED RAIL CARS, AND 2 LARGE BUSES. (SEE ATTACHMENTS 4-6) 25X1D					
A NOI ARMY BARRACKS NE GIA THUONG	0.000		25X1A		
OB 1 DISMANTLED SA-2 MISSILE LAUNCHER, 132 SA-2 MISSILE CANISTERS, 3 PROBABLE AND 1 POSSIBLE 122 MM FA PIECE, 18 AAA PIECES,	2104N	10553E			114-E
6 CARGO TRUCKS, AND 2 CARGO TRAILERS. (SEE ATTACHMENT 8)					
25X1D					
NIK.			25X1A		-
ANOI/GIA LAM AIRFIELD OB 1 COKE, 8 CRATE, 6 CAB, 8 COLT, 1 PROBABLE MAX, 2 HOOK (MI-6) HELICOPTERS, AND 9 HOUND.	2102N	10553E			114
(SEE ATTACHMENT 9) 25X1A					
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			T	Target	Numbers
Target	Coord	ingtes 	WAC	BE	NPIC
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GROUND					
HA NOI ARMY SUPPLY DEPOT NNE OB 26 CARGO TRUCKS, 1 POL TANK TRUCK, AND 3 TRUCK-MOUNTED CRANES. 25X1D	2104N	10553E	0616		114-D
KEP AIRFIELD BARRACKS & STORAGE AREA OB 9 VAN/CARGO TRUCKS AND 1 PROBABLE WHIFF RADAR. (SEE ATTACHMENTS 1 AND 2) 25X1D	2122N	10616E	0616		211-H
MISCELLANEOUS			25X1A		
HA NOI RR CAR REPAIR SHOPS GIA LAM ACTIVITY AT LEAST 3 LOCOMOTIVES, 27 FLAT, 44 BOX, 45 TANK, AND 12 GONDOLA CARS, AT LEAST 16 CARGO TRUCKS, 2 CARGO TRAILERS, 1 POL TANK TRAILER, AND 3 TRUCK-MOUNTED CRANES. 25X1D	2103N	10553E			114-C
BAC NINH PONTOON BRIDGE SECTIONS ACTIVITY 2 PROBABLE TRUCKS. 25X1D	2113N	10605E	0616 25X1A		206-D1
HOANG MAI RR SIDING ACTIVITY 4 BOX AND 5 GONDOLA CARS AND 1 TRUCK-MOUNTED CRANE. 25X1D	2115N	10606E			206-H1
HA NOI/PING-HSIANG RR SEGMENT 2 ACTIVITY 1 LOCOMOTIVE AND AT LEAST 30 PIECES OF ROLLING STOCK AT UTM XJ340680,	2132N	10627E	0616		211-A

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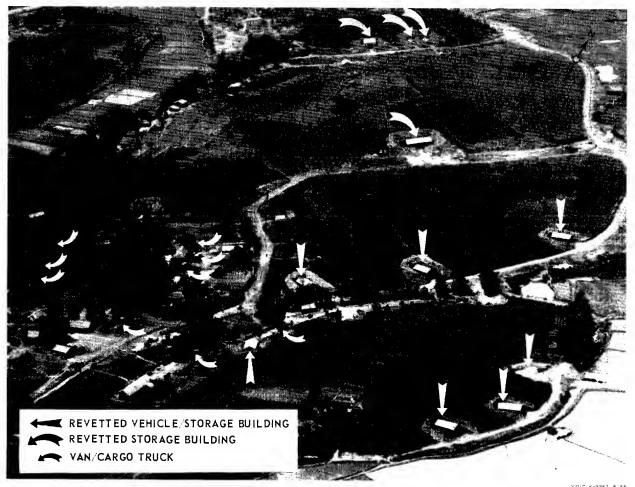
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NPIC/R-203/66 ATTACHMENT 1



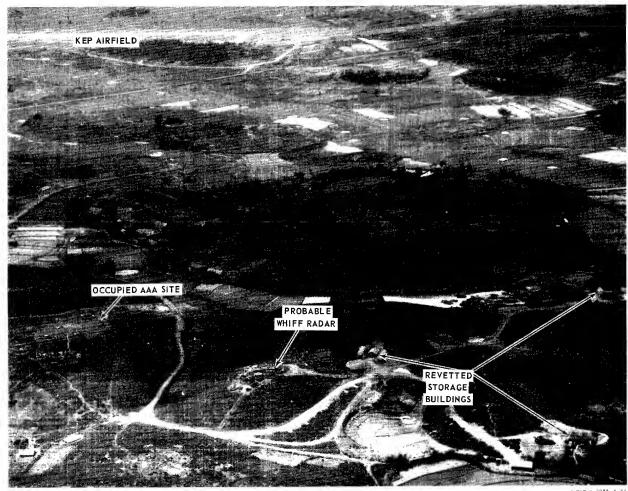
KEP AIRFIELD BARRACKS AND STORAGE AREA, NORTH VIETNAM.

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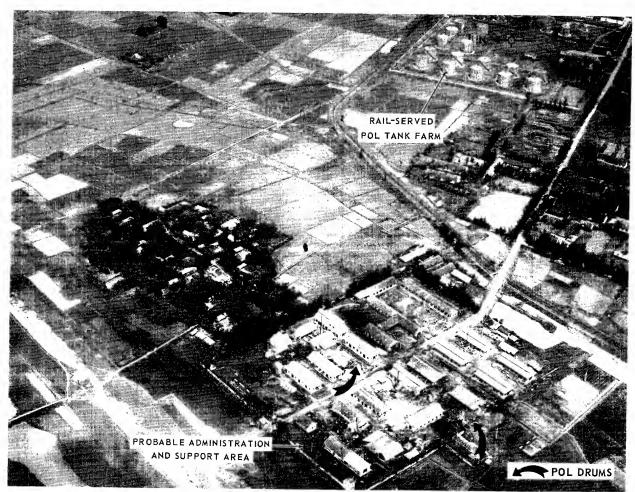


KEP AIRFIELD BARRACKS AND STORAGE AREA, NORTH VIETNAM.

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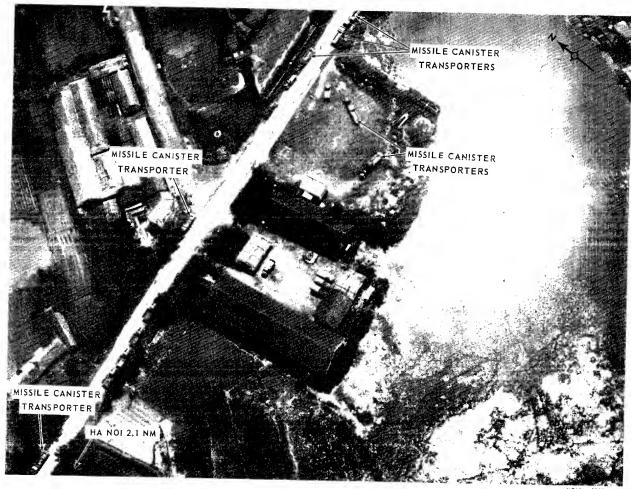


HA NOI PETROLEUM PRODUCTS STORAGE THANH AM, NORTH VIETNAM.

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NPIC/R-203/66 ATTACHMENT 4

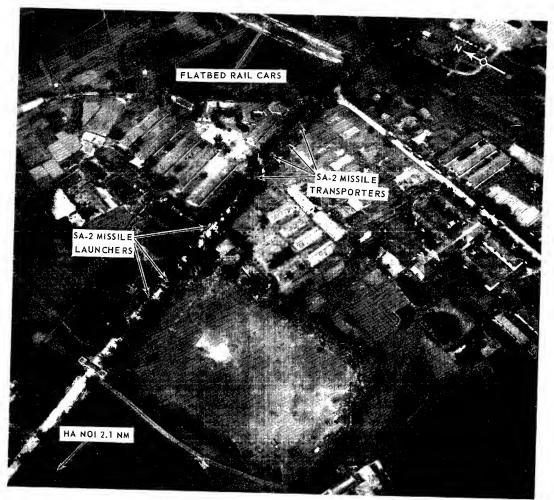


HA NOI SAM STORAGE/ASSEMBLY AND BARRACKS GIA LAM, NORTH VIETNAM.

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NPIC/R-203/66 ATTACHMENT 5



HA NOI SAM STORAGE/ASSEMBLY AND BARRACKS GIA LAM, NORTH VIETNAM.

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NPIC/R-203/66 ATTACHMENT 6



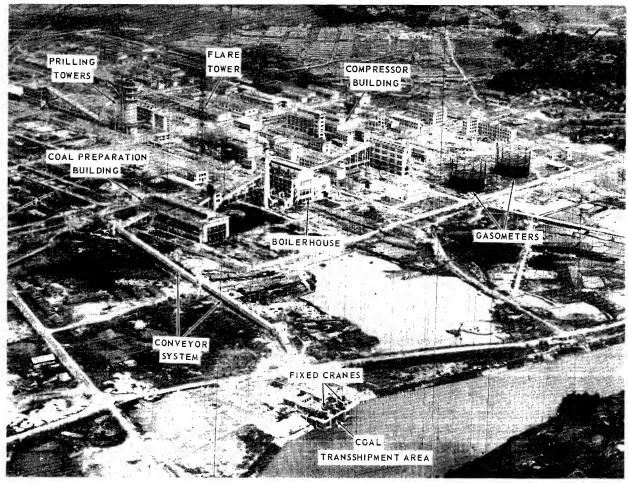
HA NOI SAM STORAGE/ASSEMBLY AND BARRACKS GIA LAM, NORTH VIETNAM.

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NPIC/R-203/66 ATTACHMENT 7



BAC GIANG CHEMICAL FERTILIZER PLANT, NORTH VIETNAM.

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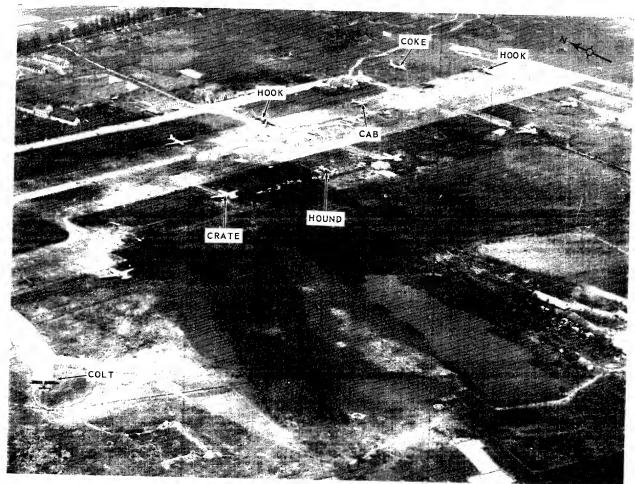
NPIC/R-203/66 ATTACHMENT 8

SA-2 MISSILE CANISTERS

HA NOI ARMY BARRACKS NE GIA THƯƠNG, NORTH VIETNAM.

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NPIC/R-203/66 ATTACHMENT 9



HANOI GIA LAM AIRFIELD, NORTH VIETNAM.

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